







Agenda

- Introductions
- Gloucester's Climate Work to Date
- Project Scope Overview & Timeline
- Next Steps
- Q&A

Team Introductions



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Planning Director



Gemma WilkenCity of Gloucester
Staff Planner



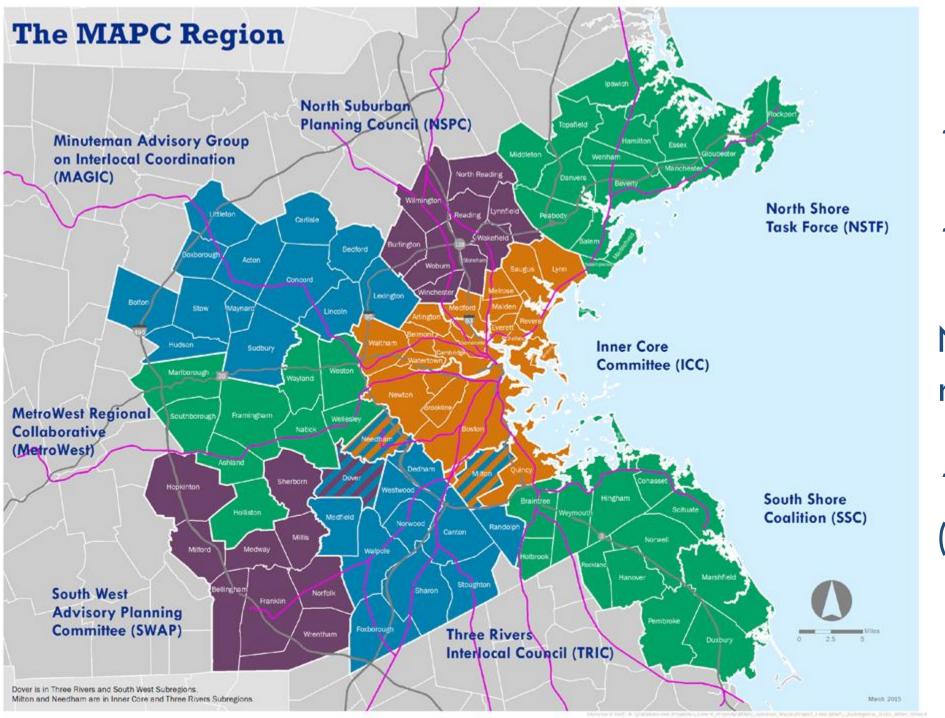
Van DuMAPC
Project Manager



Julie CurtiMAPC
Project Advisor







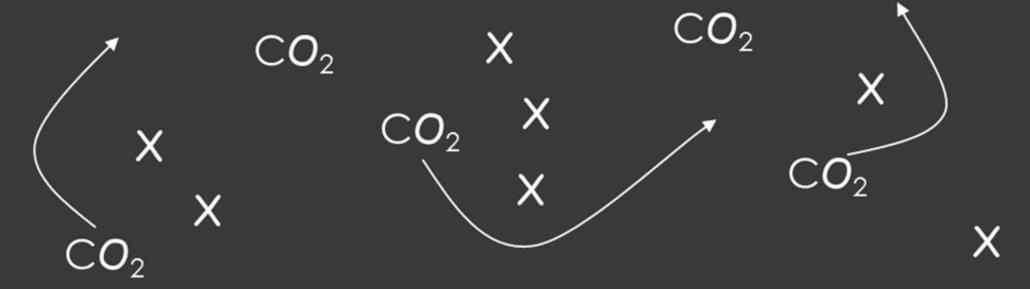
101 municipalities

1,440 square miles

Nearly 3.2 million residents

1.8 million jobs(2010 Census)

MAPC's Municipal Net Zero Playbook



- Net Zero Buildings
- Zero Emission Mobility
- Clean Energy Supply

- Climate-Smart Permitting and Zoning
- Framework for Action
- Framework for Equity

City of Gloucester: Climate Work to Date

MITIGATION

ADAPTATION

- Green Communities (GC) Designation (2010)
- Blackburn Wind Turbine Commissioning (PPA) (2012)
- GC Funded Energy Retrofits O'Maley, GHS, Sawyer Free Library (2013)
- Idle Reduction Retrofit DPW/Police Vehicles (2013)
- Municipal Electric Car Fleet and Charging Stations (2015)
- LED Streetlight Conversion (2016)
- National Grid Community Initiative (2017, 2018)
- Rogers Street Charging Station (2018)
- GC Funded EMS Energy Retrofit Gloucester High School (2018)
- Community Electricity Aggregation (2019-2021)
- GC Funded LED lighting retrofit at GHS (2020)
- GC Funded EMS expansion at GHS (2020)
- Adopted PACE (2021)
- Demand Response (2021)
- New Community Electricity Aggregation (2022-2024)
- Energy Efficient Zoning (2021-onging)
- CARP and GC Application Development (NOW)

- MIT Consensus Building Institute Scenario Planning (2010)
- Little River Restoration and Flood Mitigation (2014)
- Climate Change Vulnerability Assessment and Adaptation Plan (2015)

- Feasibility and Re-design of Vulnerable Pump Stations (2017)
- MVP Action Plan (2018)
- MVP Action Water Supply Vulnerability Assessment (2019)
- Floodplain Zoning (2021-onging)
- Gloucester High School Flood Mitigation (Ongoing)
- Wastewater Treatment Plant Flood Mitigation (Ongoing)

Gloucester Climate Action and Resilience Plan Overview

An inventory of Gloucester's current (baseline) greenhouse gas (GHG) emissions, renewables, and natural resources.

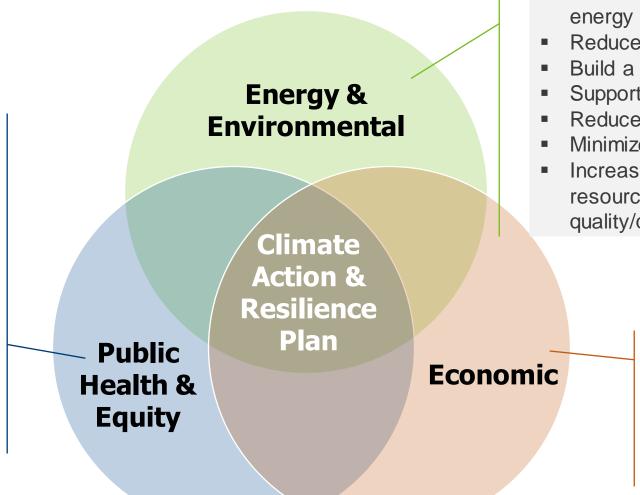
An equitable community outreach plan and approach.

A set of community goals (GHG emissions reduction, renewable energy deployment, forest and watershed protection, enhanced community resiliency, etc.).

A community roadmap that sets forward both municipal and community actions that advance the community's identified climate goals.

Co-Benefits of Climate Action

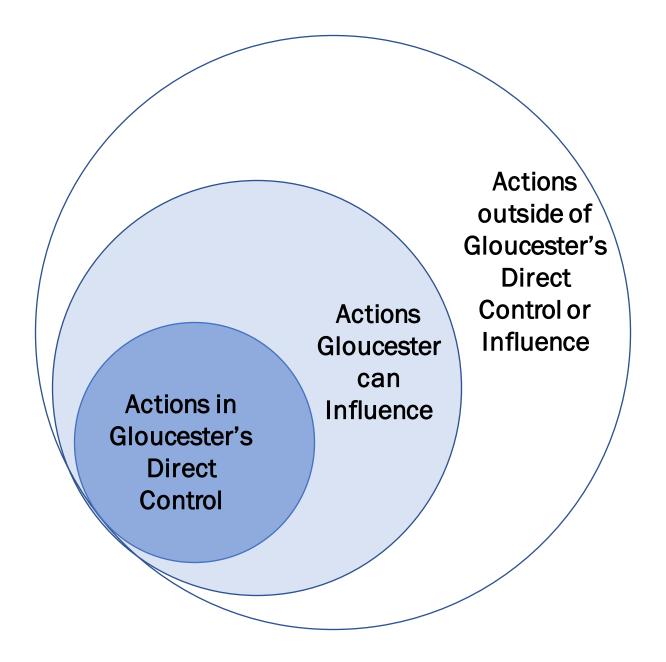
- Improve respiratory health
- Avoid unnecessary deaths
- Support active lifestyles
- Save on health-related costs
- Reduce health burdens on Environmental Justice populations
- Reduce community vulnerabilities and strengthen social cohesion



- Ensure a stable and diverse energy supply
- Reduce peaks in price
- Build a resilient energy system
- Support local energy production
- Reduce common pollutants
- Minimize climate change impacts
- Increase resilience of natural resources and long-term water quality/quantity

- Support a green economy and local economic opportunity
- Provide good green jobs

Spheres of Influence



Equity Assessment

For each strategy in the plan, answer:

Who has been historically impacted?



Who will be most impacted by the types of changes to our climate we expect to see?



How will the benefits of this strategy be distributed?



Project Tasks & Timeline

PROJECT TIMELINE/SCHEDULE:				2021					2022				
		SEPT	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
1. DATA COLLECTION & GHG INVENTORY													
1.1	Identify and collect baseline data for GHG emissions.												
1.2	Develop a GHG inventory.												
1.3	Identify possible areas to expand or refine the inventory using more precise or additional City specific data sources.												
1.4	Train Gloucester staff to update the inventory in the future.												
2. GOAL SETTIN													
2.1	Develop summary spreadsheet of existing strategies.												
	Conduct a stakeholder and equity assessment: 20 internal and external stakeholder interviews.												
2.3	Draft an outreach strategy that centers the communities least represented and most impacted by the effects of climate change.												
2.4	Recruit and hire youth interns to be a liaison between the planning team and young people in town (Gloucester).												
2.5	Develop a presentation to update the Gloucester City Council on the planning process.												
2.6	Connect with community partner organizations to share the planning process and co-create outreach strategies.												
2.7	Plan and facilitate a community visioning workshop.												
2.8	Launch online engagement (Gloucester).												
3. TARGET SETT													
3.1	Review and compile a table of 8-10 case studies and best practices.												
3.2	Develop and deploy a community-wide survey & prepare summary of survey results.												
3.3	Develop a preliminary list of strategy recommendations.												
3.4	Working with partner organizations to collect community input on strategy recommendations.												
3.5	Refine the list of potential climate mitigation and adaptation strategies.												

Project Tasks & Timeline

4. ACTION PRIORITIZATION

- 4.1 Create and implement a process for prioritization of climate actions.
- 4.2 Host a community workshop or other community engagement to review the identified prioritized actions.
- 4.3 Working with partner organizations to collect community input on the prioritized actions.
- 4.4 Compile all input received and create a master list of all prioritized actions

5. PLAN DEVELOPMENT

- 5.1 Develop a first draft of the CARP.
- 5.2 Review and make revisions, based on feedback from staff and stakeholders to the draft plan provided by the City.
- 5.3 Incorporate graphic design of final CARP.
- 5.4 Present the final plan to the Gloucester City Council.

2021				2022							
SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		



Next steps

- Data collection for GHG Inventory
- Stakeholder and Equity Assessment
- Outreach Strategy Development
- Community Visioning Workshop

Discussion and Q&A